

U.S. ENVIRONMENTAL PROTECTION AGENCY
POLLUTION/SITUATION REPORT
Trinity Highway Products - Removal Polrep
Final Removal Polrep



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region IV

Subject: POLREP #2
FINAL POLREP
Trinity Highway Products

Orangeburg, SC
Latitude: 33.4493330 Longitude: -80.8512260

To: James Webster, USEPA R4 ERRPB
Paul Lee, DHEC

From: Carter Williamson, FOSC

Date: 12/29/2016

Reporting Period: 11/19/2016 - 01/04/2017

1. Introduction

1.1 Background

Site Number:	B49I	Contract Number:	
D.O. Number:		Action Memo Date:	
Response Authority:	CERCLA	Response Type:	Emergency
Response Lead:	PRP	Incident Category:	Removal Action
NPL Status:	Non NPL	Operable Unit:	
Mobilization Date:	11/19/2016	Start Date:	11/19/2016
Demob Date:	11/20/2016	Completion Date:	12/28/2016
CERCLIS ID:		RCRIS ID:	
ERNS No.:		State Notification:	
FPN#:		Reimbursable Account #:	

1.1.1 Incident Category

Emergency Response - CERCLA hazardous waste - 11% sulfuric acid accidentally released from facility impacting an aggregate parking lot area and an unnamed tributary of the Edisto River in Orangeburg, SC.

1.1.2 Site Description

While moving spent sulfuric acid, used in hot rolling steel, from a dipping tank inside the Trinity Highway Products facility to an external tank, a hose accidentally fell away from the tank releasing the contents of the sulfuric acid vat to the facility grounds. Approximately 1,525 gallons of the material migrated across 57 feet of concrete, 176 feet of gravel parking/storage lot and 43 feet of soil before entering a drainage pipe and an unnamed tributary abutting the facility property. This unnamed tributary is connected to the Edisto River complex. Trinity Highway Products retained the services of Cura Emergency Services, L.C., who then mobilized First Call Environmental (FCE) to the scene to address the release and begin remediation of the impacted areas.

1.1.2.1 Location

Trinity Highway Products, LCC facility, located at 600 Prosperity Drive, Orangeburg, SC

1.1.2.2 Description of Threat

Inhalation and dermal exposure to a highly acidic compound and impact to aquatic life.

1.1.3 Preliminary Removal Assessment/Removal Site Inspection Results

Initial pH readings, collected at the outfall from the parking lot, revealed a pH of 3. The pH in the unnamed tributary, due to water flow, stabilized to 7 fairly soon after the incident; but not before a fish kill occurred resulting in the loss of approximately 1000 fish (minnows - fingerling catfish and brim). FCE performed pH screening of the impacted soil gravel/sand area and delineated an excavation area.

2. Current Activities

2.1 Operations Section

2.1.1 Narrative

OSC Carter Williamson was dispatched to a 11% spent sulfuric acid spill from the Trinity Highway Products LLC facility. The spill impacted the outer portion of the complex which in turn impacted an unnamed tributary of the Edisto River. FCE was dispatched and conducted water monitoring, removed impacted fish species, and excavated the impacted areas on the premises leading up to the unnamed tributary. An area approximately 700' long was impacted along the unnamed tributary.

2.1.2 Response Actions to Date

Facility staff prevented continued leaching from the facility and secured the source. FCE conducted pH surveys, collected impacted invertebrates along with excavating impacted soils and riprap, and initiating the neutralization of sulfuric acid. FCE also coordinated placement of absorbent booms, pads and granular absorbent on the facility and at the outfall, initiated a fish kill inventory, provided photo documentation to the US Fish and Wildlife Service, and notified the Orangeburg County Local Emergency Planning Committee. FCE stockpiled and covered the excavated material, collected five confirmation and two background soil samples which were sent to Shealy Environmental Services for analysis. Upon receipt of the results, 118.45 tons of excavated material was transported to the Richland County Landfill in Eglin, SC.

2.1.3 Enforcement Activities, Identity of Potentially Responsible Parties (PRPs)

Trinity Highway Products, LLC.

2.1.4 Progress Metrics

<i>Waste Stream</i>	<i>Medium</i>	<i>Quantity</i>	<i>Manifest #</i>	<i>Treatment</i>	<i>Disposal</i>

2.2 Planning Section

2.2.1 Anticipated Activities

Excavation and removal of impacted soils, gravel and riprap and backfilled. Conduct stream monitoring and completion of final report.

2.2.1.1 Planned Response Activities

Same

2.2.1.2 Next Steps

Submission of final report to EPA and SCDHEC.

2.2.2 Issues

Sulfuric acid exposure and contamination/impacts to fauna and invertebrates

2.3 Logistics Section

No information available at this time.

2.4 Finance Section

Estimated Costs *

	Budgeted	Total To Date	Remaining	% Remaining
Extramural Costs				
Intramural Costs				
USEPA - Direct	\$700.00	\$0.00	\$700.00	100.00%
Total Site Costs	\$700.00	\$0.00	\$700.00	100.00%

* The above accounting of expenditures is an estimate based on figures known to the OSC at the time this report was written. The OSC does not necessarily receive specific figures on final payments made to any contractor(s). Other financial data which the OSC must rely upon may not be entirely up-to-date. The cost accounting provided in this report does not necessarily represent an exact monetary figure which the government may include in any claim for cost recovery.

2.5 Other Command Staff

2.5.1 Safety Officer

OSC Carter Williamson

2.5.2 Liaison Officer

2.5.3 Information Officer

3. Participating Entities

3.1 Unified Command

USEPA, USFWS, Orangeburg LEPC, SCDHEC, Trinity and First Call Environmental

3.2 Cooperating Agencies

4. Personnel On Site

5. Definition of Terms

No information available at this time.

6. Additional sources of information

No information available at this time.

7. Situational Reference Materials

No information available at this time.